

Dr. Moshe Tshuva is the current Head of the School of Mechanical Engineering at Afeka, Tel-Aviv Academic College of Engineering.

Dr. Tshuva has a B.Sc., M.Sc. and Ph.D. in Mechanical Engineering from Tel Aviv University. Dr. Tshuva serves in several positions: the chairman of the Israel Sustainable Energy Society, the head of the energy branch at Israeli Society of Mechanical Engineers and as a chairman and member of several standards committees at the Israeli Standards Institution. Dr. Tshuva lectured at Tel Aviv University, the Open University and several colleges in the country. In addition, he was a facilitator in SIT - Systematic Inventive Thinking .

Dr. Tshuva expertise are in the fields of thermodynamics, heat transfer and multiphase flow, and has over 30 years of experience in developing and managing projects; he served as director of development at engineering companies and served as an engineer and project manager at development unit in the IDF.

Dr. Tshuva fields of research are:

- Development of a solar desalination system.
- Energy management from small scales to the management of energy systems of large plants.
- Detection of cancer cells by different thermal characteristics, using an IR camera
- Building ORC (Organic Rankine Cycle) to convert small amount of solar energy from thermal solar panels.

Dr. Tshuva invented several registered patents.